

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A method of removing at least one sulfur compounds compound from at least one hydrocarbon-comprising gases gas, comprising directly treating the at least one hydrocarbon-comprising gases gas comprising the at least one sulfur compound with a catalysts catalyst at temperatures of from 15 to 40°C and under atmospheric pressure, wherein the catalysts catalyst, with the exception of activated carbon and zeolites, comprise comprises:

from 5 to 70% by weight of at least one selected from the group consisting of copper, silver, zinc, molybdenum, iron, cobalt, and nickel or mixtures thereof; and

from 30 to 95% by weight of at least one oxides oxide selected from the group consisting of magnesium, calcium, scandium, yttrium, lanthanum, titanium, zirconium, chromium, tungsten, boron, aluminum, gallium, silicon, germanium, and tin oxides groups HB, IIB, IVA, VIB, VIII, IIIA and IVA of the Periodic Table of the Elements, which are solids up to at least 250°C;

and excludes activated carbon and zeolites.

Claim 2 (Currently Amended): The method of removing sulfur compounds from hydrocarbon comprising gases according to claim 1, wherein the catalysts catalyst [[are]] is a copper-comprising catalysts catalyst.

Claim 3 (Currently Amended): The method of removing sulfur compounds from hydrocarbon comprising gases according to claim 1, wherein the catalysts catalyst [[are]] is a molybdenum-comprising catalysts catalyst.

Claim 4 (Currently Amended): The method of ~~removing sulfur compounds from hydrocarbon comprising gases~~ according to claim 1, wherein the ~~catalysts catalyst~~ [[are]] is a copper- and molybdenum-comprising ~~catalysts catalyst~~.

Claim 5-9 (Canceled).

Claim 10 (New): The method according to claim 1, wherein the catalyst comprises:
from more than 16 to 70% by weight of at least one selected from the group consisting of copper, silver, zinc, molybdenum, iron, cobalt, and nickel; and
from 30 to less than 84% by weight of at least one oxide selected from the group consisting of magnesium, calcium, scandium, yttrium, lanthanum, titanium, zirconium, chromium, tungsten, boron, aluminum, gallium, silicon, germanium, and tin oxides;
and excludes activated carbon and zeolites.

Claim 11 (New): The method according to claim 1, wherein the catalyst comprises:
from 17.6 to 70% by weight of at least one selected from the group consisting of copper, silver, zinc, molybdenum, iron, cobalt, and nickel; and
from 30 to 82.4% by weight of at least one oxide selected from the group consisting of magnesium, calcium, scandium, yttrium, lanthanum, titanium, zirconium, chromium, tungsten, boron, aluminum, gallium, silicon, germanium, and tin oxides;
and excludes activated carbon and zeolites.

Claim 12 (New): A method of removing at least one sulfur compound from at least one hydrocarbon-comprising gas for preparation of hydrogen for operation of a fuel cell, consisting essentially of directly treating the at least one hydrocarbon-comprising gas

comprising the at least one sulfur compound with a catalyst at 15 to 40°C under atmospheric pressure, wherein the catalyst comprises:

from 5 to 70% by weight of at least one selected from the group consisting of copper, silver, zinc, molybdenum, iron, cobalt, and nickel; and

from 30 to 95% by weight of at least one oxide selected from the group consisting of magnesium, calcium, scandium, yttrium, lanthanum, titanium, zirconium, chromium, tungsten, boron, aluminum, gallium, silicon, germanium, and tin oxides;
and excludes activated carbon and zeolites.

Claim 13 (New): The method according to claim 1, wherein the catalyst comprises at least a first and a second catalyst, which are different from one another, each independently comprising:

from 5 to 70% by weight of at least one selected from the group consisting of copper, silver, zinc, molybdenum, iron, cobalt, and nickel; and

from 30 to 95% by weight of at least one oxide selected from the group consisting of magnesium, calcium, scandium, yttrium, lanthanum, titanium, zirconium, chromium, tungsten, boron, aluminum, gallium, silicon, germanium, and tin oxides;
and excludes activated carbon and zeolites.

Claim 14 (New): A method according to claim 1, wherein the hydrocarbon-comprising gas is natural gas.

Claim 15 (New): A method according to claim 1, wherein the hydrocarbon-comprising gas is town gas.

Claim 16 (New): A method according to claim 1, wherein the hydrocarbon-comprising gas is biogas.

Claim 17 (New): A method according to claim 1, wherein the hydrocarbon-comprising gas is liquefied petroleum gas.